ABSTRACT OF THE DISCLOSURE

Apparatus for use in aligning the differential input shaft of a race car with the transmission output shaft includes a transmission attachment and a differential attachment, each of which is detachably mountable to the race car. Each attachment includes a laser mounted centrally in a plate which is mounted substantially perpendicular to the transmission and the differential respectively. The laser mounted to the transmission emits a light beam coaxial to the transmission output shaft and the laser mounted to the differential emits a light beam coaxial to the differential input shaft. By adjusting the differential and transmission relative to each other such that the laser beams do not intersect, the differential and the transmission are aligned for optimum performance. A camber gauge may be substituted for the laser in either plate to measure the attitude of the differential or the transmission.